

includes collar 12 and pressure pulse generator 14. Pressure pulse generator 14 includes enclosure 16 which houses the mechanism by which the pressure pulse generator 14 produces a pressure pulse wave. Extending radially inward from enclosure 16 is probe 18 having tip 20.

P3 Collar 12 is adapted to fit around an animal's neck. Collar 12 includes an adjustable strap 21 with buckle 23 permitting collar 12 to accommodate the varying sizes of necks of different animals.

Collar 12 is adjustable to permit tip 20 to be in contact with the skin of an animal's throat when collar 12 is securely fastened around the animal's neck. During operation of animal control device 10, a compression wave is generated within probe 18 and proceeds along tip 20. The compression wave leaves tip 20 as a pressure pulse wave is applied to the skin of the animal.

Please replace the paragraph that starts at page 6, line 19 with the following paragraph:

P3 (Amended) Tip 20 is free to translate within probe 18. Probe compression spring 90 applies a biasing force against tip 20 to hold tip 20 against ledge 92 of tip bore 94. When gas pressure is not applied to impactor 76, tip 20 is retracted within tip bore 94. Outlet 96 allows gas flow from guide tube 78 to exit the pressure wave generator 70 through outlet cavity 98 located between guide tube 78 and pressure wave generator wall 100.

Please replace the paragraph that starts at page 9, line 4 with the following paragraph:

P4 (Amended) The animal control device may be selected to apply a pressure pulse from a maximum pressure wave pulse to a minimum pressure wave pulse. A maximum pressure wave pulse is produced when current flow is supplied to solenoid 22 at a maximum duration. The maximum duration is the length of time sufficient to allow a volume of gas to be introduced behind impactor 76 such that the pressure of the gas remains constant as impactor 76 completely

transverses guide tube 78 and strikes tip 20. As the current flow duration decreases from its maximum, the volume of gas introduced behind the impactor becomes insufficient to maintain a constant pressure as impactor 76 moves along guide tube towards tip 20 and the volume behind the impactor increases. The increase in volume behind impactor 76 results in a proportional decrease in gas pressure as impactor 76 transverses in guide tube 78. The resulting force applied by the expanding gas behind impactor 76 similarly decreases with an associated reduction in impactor 76 velocity and kinetic energy at the instant of impact of impactor 76 with tip 20. A lower amplitude compression wave is propagated through the tip 20 with an associated reduction in amplitude of pressure wave pulse applied to an animal's skin. Successive reductions in current flow duration result in proportional reduction in the correction stimulus level.

IN THE DRAWINGS

Please amend the drawings as shown in the Request for Approval of Drawing Changes attached herewith.

IN THE CLAIMS

Please substitute the following amended claim 18 for original claim 18:

18. (Amended) The animal control device of claim 16, wherein said transmitter comprises a buried wire.

REMARKS

Claims 1, 2 and 9-25 are pending and rejected in this application. Claim 18 is amended hereby.